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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS EXPRESS July 11 CURRENT WINDOWS VERSION IS V6.0b, CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP), AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001

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FILE 'HOME' ENTERED AT 15:28:26 ON 02 AUG 2001

=> FIL BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH, USPATFUL, JAPIO COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST ENTRY SESSION 0.15 0.15

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FILE 'SCISEARCH' ENTERED AT 15:28:35 ON 02 AUG 2001

COPYRIGHT (C) 2001 Institute for Scientific Information (ISI) (R) FILE 'USPATFULL' ENTERED AT 15:28:35 ON 02 AUG 2001

CA INDEXING COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'JAPIO' ENTERED AT 15:28:35 ON 02 AUG 2001 COPYRIGHT (C) 2001 Japanese Patent Office (JPO)

=> s cholera toxin B 8 FILES SEARCHED...

L1 4255 CHOLERA TOXIN B

=> s 11 and enterotoxin B

L2 60 L1 AND ENTEROTOXIN B

=> s enterotoxin B

L3 8536 ENTEROTOXIN B

=> s adjuvant?

L4 253339 ADJUVANT?

=> s 14 and peptide or protein fragment?
5 FILES SEARCHED...

L5 34339 L4 AND PEPTIDE OR PROTEIN FRAGMENT?

=> s 15 and 12

L6 11 L5 AND L2

=> d ibib 1-11 16

L6 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2001 ACS ACCESSION NUMBER: 2000:175834 CAPLUS

DOCUMENT NUMBER: 132:217136

TITLE: Peptide fragments of cholera

toxin B or enterotoxin
B as immunomodulators and vaccine
adjuvants and for the treatment of

toxin-induced diarrhea

INVENTOR(S): Williams, Neil Andrew; Hirst, Timothy Raymond

PATENT ASSIGNEE(S): University of Bristol, UK SOURCE: PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2000014114 A1 20000316 WO 1999-GB2970 19990907

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,

SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9957516 A1 20000327 AU 1999-57516 19990907 BR 9913501 A 20010605 BR 1999-13501 19990907 EP 1109828 A1 20010627 EP 1999-944696 19990907

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO

A 20010507 NO 2001001075 NO 2001-1075 20010302 PRIORITY APPLN. INFO.: GB 1998-19484 A 19980907 WO 1999-GB2970 W 19990907

REFERENCE COUNT:

REFERENCE(S):

(1) Centre Nat Rech Scient Pasteur Institut Fr; EP 0095426 A 1983 CAPLUS

(2) Gx Biosystems As; WO 9520657 A 1995 CAPLUS (3) Scripps Clinic Res; WO 8502611 A 1985 CAPLUS

(4) Univ Liege; WO 9003437 A 1990 CAPLUS (5) Univ Tulane; WO 9606627 A 1996 CAPLUS ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 2 OF 11 USPATFULL

ACCESSION NUMBER: 2001:111832 USPATFULL

TITLE: Method of stimulating an immune response by

administration of host organisms that express intimin alone or as a fusion protein with one or more other

antigens

Stewart, Jr., C. Neal, Greensboro, NC, United States INVENTOR(S):

McKee, Marian L., Great Falls, VA, United States O'Brien, Alison D., Bethesda, MD, United States Wachtel, Marian R., Albany, CA, United States

PATENT ASSIGNEE(S): Henry M. Jackson Foundation for the Advancement of

Military Medicine, Rockville, MD, United States (U.S.

corporation)

NUMBER KIND DATE ______ PATENT INFORMATION: US 6261561 B1 20010717 US 1997-840466 19970418 19970418 (8)

NUMBER DATE

US 1996-15657 19960419 (60) US 1996-15938 19960422 (60) PRIORITY INFORMATION:

DOCUMENT TYPE: Utility FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Smith, Lynette R F. ASSISTANT EXAMINER: Portner, Ginny Allen

LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

NUMBER OF CLAIMS: 13 EXEMPLARY CLAIM:

APPLICATION INFO.:

NUMBER OF DRAWINGS: 23 Drawing Figure(s); 23 Drawing Page(s)

LINE COUNT: 2817

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 11 USPATFULL

ACCESSION NUMBER: 2001:29710 USPATFULL

TITLE: Oral immunization with transgenic plants Arntzen, Charles J., Ithaca, NY, United States INVENTOR(S):

Mason, Hugh S., Ithaca, NY, United States

Haq, Tariq A., San Antonio, TX, United States Texas A & M University System, College Station, TX,

PATENT ASSIGNEE(S): United States (U.S. corporation)

NUMBER KIND DATE -----PATENT INFORMATION: US 6194560 B1 20010227 US 1998-191852 19981112 (9) APPLICATION INFO.: RELATED APPLN. INFO.: Division of Ser. No. US 817906, now abandoned Continuation-in-part of Ser. No. US 1994-328716, filed

on 24 Oct 1994, now abandoned

DOCUMENT TYPE: Utility FILE SEGMENT: Granted PRIMARY EXAMINER:

Bui, Phuong T.

NUMBER OF CLAIMS: 1

LEGAL REPRESENTATIVE: Fulbright & Jaworski, L.L.P.

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 21 Drawing Figure(s); 18 Drawing Page(s)

LINE COUNT: 2819

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 4 OF 11 USPATFULL

ACCESSION NUMBER: 2000:160601 USPATFULL

TITLE: Immunological tolerance-inducing agent INVENTOR(S): Holmgren, Jan, Vastra Frolunda, Sweden

Czerkinsky, Cecil, Villefranche sur mer, France PATENT ASSIGNEE(S): Duotol AB, Vastra Frolunda, United States (non-U.S.

corporation)

NUMBER KIND DATE -----US 6153203 20001128

PATENT INFORMATION: APPLICATION INFO.: US 1997-883817 19970627 (8) RELATED APPLN. INFO.:

Continuation of Ser. No. US 1995-420981, filed on 10 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-184458, filed on 19 Jan 1994, now patented, Pat. No. US 5681571, issued on 28 Oct 1997 which is a continuation-in-part of Ser. No. US

1993-160106, filed on 30 Nov 1993, now abandoned

NUMBER DATE -----

PRIORITY INFORMATION: CH 1993-9303301 19931008

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Swartz, Rodney P. LEGAL REPRESENTATIVE: Darby & Darby

NUMBER OF CLAIMS: EXEMPLARY CLAIM: LINE COUNT: 1142

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 5 OF 11 USPATFULL

ACCESSION NUMBER: 2000:12436 USPATFULL

TITLE: Hybrid molecules between heat-labile enterotoxin and

cholera toxin B subunits

INVENTOR(S): Holmgren, Jan, Korvettgatan 1 D, VastraFrolunda, Sweden

S-421 74

Lebens, Michael R., S-413 22 Drive Belfrages Vag 20,

Goborg, Sweden S-413 22

NUMBER KIND DATE US 6019973 20000201 WO 9634893 19961107 US 1998-952337 19980105 PATENT INFORMATION: WO 9634695 US 1998-952337 APPLICATION INFO.: WO 1996-SE570 19960502

19980105 PCT 371 date 19980105 PCT 102(e) date

DATE NUMBER -----

PRIORITY INFORMATION: SE 1995-1682 19950505

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

Housel, James C. PRIMARY EXAMINER:

ASSISTANT EXAMINER: Devi, S. LEGAL REPRESENTATIVE: Darby & Darby

NUMBER OF CLAIMS: 13 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 5 Drawing Figure(s); 5 Drawing Page(s)

LINE COUNT: 790

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 6 OF 11 USPATFULL

ACCESSION NUMBER: 1999:155236 USPATFULL

TITLE: Biphasic lipid vesicle composition for transdermal

administration of an immunogen

INVENTOR(S): Foldvari, Marianna, Saskatchewan, Canada

Baca-Estrada, Maria, Saskatchewan, Canada

PATENT ASSIGNEE(S): PharmaDerm Laboratories LTD., Saskatchewan, Canada

(non-U.S. corporation)

NUMBER KIND DATE ------

PATENT INFORMATION: US 5993852 19991130 US 1998-141875 19980827 APPLICATION INFO.: 19980827 (9)

NUMBER DATE

-----US 1997-57597 19970829 (60)

PRIORITY INFORMATION: DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Kishore, Gollamudi S.

LEGAL REPRESENTATIVE: Mohr, Judy M. Dehlinger & Associates

NUMBER OF CLAIMS: 28 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 14 Drawing Figure(s); 6 Drawing Page(s)

LINE COUNT: 1154

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 7 OF 11 USPATFULL

ACCESSION NUMBER: 1999:141305 USPATFULL

TITLE: Adjuvant for transcutaneous immunization INVENTOR(S): Glenn, Gregory M., Bethesda, MD, United States

Alving, Carl R., Bethesda, MD, United States PATENT ASSIGNEE(S): The United States of America as represented by the U.S.

Army Medical Research & Material Command, Washington,

DC, United States (U.S. government)

NUMBER KIND DATE PATENT INFORMATION: US 5980898 19991109 APPLICATION INFO.: US 1997-896085 19970717 (8) APPLICATION INFO.:

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-749164, filed

on 14 Nov 1996

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Saunders, David ASSISTANT EXAMINER: Tung, Mary Beth

LEGAL REPRESENTATIVE: Pillsbury, Madison & Sutro LLP

NUMBER OF CLAIMS: 13 1,11 EXEMPLARY CLAIM:

1 Drawing Figure(s); 5 Drawing Page(s) NUMBER OF DRAWINGS:

LINE COUNT: 1988

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 8 OF 11 USPATFULL

ACCESSION NUMBER: 1999:18729 USPATFULL

TITLE:

Recombinant vaccines to break self-tolerance

INVENTOR(S): Rock, Edwin P., 4535 Hawthorne St., Washington, DC,

United States 20016

NUMBER KIND DATE -----

PATENT INFORMATION: APPLICATION INFO.:

US 1997-944982 19990209 19971007 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1995-472455, filed on 7 Jun

1995, now abandoned

DOCUMENT TYPE: FILE SEGMENT:

Utility Granted

PRIMARY EXAMINER: Achutamurthy, Ponnathapura ASSISTANT EXAMINER: Bui, Phuong T.

LEGAL REPRESENTATIVE: Keil & Weinkauf NUMBER OF CLAIMS:

EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

20 Drawing Figure(s); 12 Drawing Page(s)

LINE COUNT:

INVENTOR(S):

2000

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 9 OF 11 USPATFULL

ACCESSION NUMBER:

97:99027 USPATFULL

TITLE:

Immunological tolerance-inducing agent Holmgren, Jan, Vastra Frolunda, Sweden Czerkinsky, Cecil, Goteborg, Sweden

PATENT ASSIGNEE(S):

Duotol AB, Vastra Frolunda, Sweden (non-U.S.

corporation)

NUMBER KIND DATE _______

PATENT INFORMATION:

US 5681571 19971028 US 1994-184458 19940119 (8)

APPLICATION INFO.:

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1993-160106, filed

on 30 Nov 1993, now abandoned

NUMBER DATE

PRIORITY INFORMATION:

SE 1993-3301 19931008

DOCUMENT TYPE:

Utility

FILE SEGMENT:

Granted

PRIMARY EXAMINER: Housel, James C. ASSISTANT EXAMINER: Swartz, Rodney P.

LEGAL REPRESENTATIVE: Darby & Darby

NUMBER OF CLAIMS:

27

EXEMPLARY CLAIM:

LINE COUNT:

1389

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 10 OF 11 USPATFULL

ACCESSION NUMBER:

96:82456 USPATFULL

TITLE:

Pharmaceutical composition and its mucosal use

INVENTOR(S):

Uda, Yoshiaki, Hyogo, Japan Takada, Shigeyuki, Osaka, Japan Fujisawa, Yukio, Hyogo, Japan

PATENT ASSIGNEE(S):

Takeda Chemical Industries, Ltd., Osaka, Japan

(non-U.S. corporation)

NUMBER KIND DATE -----PATENT INFORMATION: US 5554378 19960910 US 1995-379114 19950127 (8) APPLICATION INFO.: RELATED APPLN. INFO.: Continuation of Ser. No. US 1993-47064, filed on 16 Apr

1993, now abandoned which is a continuation of Ser. No. US 1991-753075, filed on 30 Aug 1991, now abandoned

NUMBER DATE ______

PRIORITY INFORMATION:

Utility

JP 1990-234303 19900903

DOCUMENT TYPE:

Granted

FILE SEGMENT: PRIMARY EXAMINER:

Phelan, D. Gabrielle

LEGAL REPRESENTATIVE: Foley & Lardner

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

22 1 554

ANSWER 11 OF 11 USPATFULL

ACCESSION NUMBER: 95:71264 USPATFULL

TITLE:

Antibodies catalyzing deamidation of proteins

INVENTOR(S):

LINE COUNT:

Benkovic, Stephen J., State College, PA, United States Taylor, Scott D., State College, PA, United States Gibbs, Richard A., State College, PA, United States

PATENT ASSIGNEE(S):

The Pennsylvania Research Corporation, University Park,

PA, United States (U.S. corporation)

NUMBER KIND DATE -----US 5439812 19950808 US 1992-865216 19920408 (7)

PATENT INFORMATION: APPLICATION INFO.:

DOCUMENT TYPE:

Utility Granted

FILE SEGMENT: PRIMARY EXAMINER:

Patterson, Jr., Charles L.

LEGAL REPRESENTATIVE:

Monahan, Thomas J.

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

18 1

NUMBER OF DRAWINGS:

18 Drawing Figure(s); 18 Drawing Page(s)

LINE COUNT:

1464

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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           4255 S CHOLERA TOXIN B
L2
             60 S L1 AND ENTEROTOXIN B
L3
           8536 S ENTEROTOXIN B
         253339 S ADJUVANT?
L4
L5
          34339 S L4 AND PEPTIDE OR PROTEIN FRAGMENT?
L6
             11 S L5 AND L2
L7
            201 S L5 AND L1
L8
            176 S L5 AND L3
L9
            150 S L7 AND VACCINE?
             88 S L8 AND VACCINE?
L10
L11
             90 S L9 AND FRAGMENT?
L12
             69 S L10 AND FRAGMENT?
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L11 ANSWER 1 OF 90 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER:
                         2000:175834 CAPLUS
DOCUMENT NUMBER:
                         132:217136
TITLE:
                         Peptide fragments of
                         cholera toxin B or
                         enterotoxin B as immunomodulators and vaccine
                         adjuvants and for the treatment of
                         toxin-induced diarrhea
                         Williams, Neil Andrew; Hirst, Timothy Raymond
INVENTOR(S):
PATENT ASSIGNEE(S):
                        University of Bristol, UK
                         PCT Int. Appl., 62 pp.
SOURCE:
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                        English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                 KIND DATE
                                         APPLICATION NO. DATE
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     WO 2000014114
                    A1
                           20000316
                                         WO 1999-GB2970 19990907
         W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
             CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,
             MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
             SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM
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                                        EP 1999-944696 19990907
     EP 1109828
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                                          NO 2001-1075
                                                           20010302
PRIORITY APPLN. INFO.:
                                       GB 1998-19484
                                                        A 19980907
                                       WO 1999-GB2970
                                                        W 19990907
REFERENCE COUNT:
                        (1) Centre Nat Rech Scient Pasteur Institut Fr; EP
REFERENCE(S):
                            0095426 A 1983 CAPLUS
                        (2) Gx Biosystems As; WO 9520657 A 1995 CAPLUS
                        (3) Scripps Clinic Res; WO 8502611 A 1985 CAPLUS
                        (4) Univ Liege; WO 9003437 A 1990 CAPLUS
                        (5) Univ Tulane; WO 9606627 A 1996 CAPLUS
                        ALL CITATIONS AVAILABLE IN THE RE FORMAT
```

L11 ANSWER 2 OF 90 CAPLUS COPYRIGHT 2001 ACS

1996:13820 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

124:114813

TITLE:

Immunologic characteristics of a Streptococcus mutans

glucosyltransferase B sucrose-binding site

peptide-cholera toxin B-subunit chimeric protein

AUTHOR(S): Laloi, Patrick; Munro, Cindy L.; Jones, Kevin R.;

Macrina, Francis L.

CORPORATE SOURCE: Centre de Genetique Moleculaire et Cellulaire,

Universite Claude Bernard, Villeurbanne, 69622, Fr.

SOURCE: Infect. Immun. (1996), 64(1), 28-36

CODEN: INFIBR; ISSN: 0019-9567

DOCUMENT TYPE:

Journal

LANGUAGE:

English

L11 ANSWER 3 OF 90

MEDLINE

ACCESSION NUMBER:

2000182118 MEDLINE

DOCUMENT NUMBER:

20182118 PubMed ID: 10715532

TITLE:

Safety evaluation of recombinant cholera toxin B subunit produced by Bacillus

brevis as a mucosal adjuvant.

AUTHOR:

Goto N; Maeyama J; Yasuda Y; Isaka M; Matano K; Kozuka S;

Taniguchi T; Miura Y; Ohkuma K; Tochikubo K

CORPORATE SOURCE:

Department of Safety Research on Biologics, National

Institute of Infectious Diseases, Gakuen, Musashimurayama,

Tokyo, Japan.. ngoto@nih.go.jp

SOURCE:

VACCINE, (2000 Apr 14) 18 (20) 2164-71.

Journal code: X60; 8406899. ISSN: 0264-410X.

PUB. COUNTRY:

ENGLAND: United Kingdom

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE:

English

FILE SEGMENT:

Priority Journals

ENTRY MONTH:

200007

ENTRY DATE:

Entered STN: 20000720

Last Updated on STN: 20000720 Entered Medline: 20000711

L11 ANSWER 4 OF 90

MEDLINE

ACCESSION NUMBER:

2000016510 MEDLINE

DOCUMENT NUMBER:

20016510 PubMed ID: 10547418

TITLE:

Formulation of HIV-envelope protein with lipid vesicles

expressing ganglioside GM1 associated to cholera

toxin B enhances mucosal immune

responses.

AUTHOR:

Lian T; Bui T; Ho R J

CORPORATE SOURCE:

Department of Pharmaceutics, School of Pharmacy, University

of Washington, Box 357610, H272 Health Sciences Building,

Seattle, WA 98195-7610, USA.

CONTRACT NUMBER:

AI31854 (NIAID) HL56548 (NHLBI)

SOURCE:

VACCINE, (1999 Nov 12) 18 (7-8) 604-11.

Journal code: X60; 8406899. ISSN: 0264-410X.

PUB. COUNTRY:

ENGLAND: United Kingdom

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE:

English

FILE SEGMENT:

Priority Journals

ENTRY MONTH:

200001

ENTRY DATE:

Entered STN: 20000209

Last Updated on STN: 20000209 Entered Medline: 20000128

L11 ANSWER 5 OF 90

MEDLINE

ACCESSION NUMBER: 1999165024 MEDLINE

DOCUMENT NUMBER: 99165024 PubMed ID: 10067701

Intranasal or subcutaneous co-administration of recombinant TITLE:

cholera toxin B subunit

stimulates only a slight or no level of the specific IgE

response in mice to tetanus toxoid.

AUTHOR: Isaka M; Yasuda Y; Kozuka S; Taniguchi T; Miura Y; Matano

K; Goto N; Tochikubo K

CORPORATE SOURCE: Department of Microbiology, Nagoya City University Medical

School, Nagoya, Japan.

SOURCE: VACCINE, (1999 Feb 26) 17 (7-8) 944-8.

Journal code: X60; 8406899. ISSN: 0264-410X.

PUB. COUNTRY: ENGLAND: United Kingdom

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

7

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199905

ENTRY DATE: Entered STN: 19990607

> Last Updated on STN: 19990607 Entered Medline: 19990527

L11 ANSWER 6 OF 90 MEDLINE

ACCESSION NUMBER: 1998379564 MEDLINE

DOCUMENT NUMBER: 98379564 PubMed ID: 9713937

TITLE: Systemic and mucosal immune responses of mice to

aluminium-adsorbed or aluminium-non-adsorbed tetanus toxoid

administered intranasally with recombinant cholera

toxin B subunit.

AUTHOR: Isaka M; Yasuda Y; Kozuka S; Miura Y; Taniguchi T; Matano

K; Goto N; Tochikubo K

Department of Microbiology, Nagoya City University Medical CORPORATE SOURCE:

School, Japan.

SOURCE: VACCINE, (1998 Oct) 16 (17) 1620-6.

Journal code: X6O; 8406899. ISSN: 0264-410X.

PUB. COUNTRY: ENGLAND: United Kingdom

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199810

ENTRY DATE: Entered STN: 19981029

> Last Updated on STN: 19981029 Entered Medline: 19981022

L11 ANSWER 7 OF 90 MEDLINE

1998114349 ACCESSION NUMBER: MEDLINE

DOCUMENT NUMBER: 98114349 PubMed ID: 9453604

Antibodies and antibody-secreting cells in the female TITLE:

genital tract after vaginal or intranasal immunization with

cholera toxin B subunit or

conjugates.

AUTHOR: Johansson E L; Rask C; Fredriksson M; Eriksson K;

Czerkinsky C; Holmgren J

Department of Medical Microbiology and Immunology, Goteborg CORPORATE SOURCE:

University, Sweden. RO1-AI35543 (NIAID)

CONTRACT NUMBER:

INFECTION AND IMMUNITY, (1998 Feb) 66 (2) 514-20. SOURCE:

Journal code: GO7; 0246127. ISSN: 0019-9567.

PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

English LANGUAGE:

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199802

ENTRY DATE: Entered STN: 19980224

Last Updated on STN: 19980224

Entered Medline: 19980212

L11 ANSWER 8 OF 90 MEDLINE

ACCESSION NUMBER: 97156483 MEDLINE

DOCUMENT NUMBER: 97156483 PubMed ID: 9002873

TITLE: Immunogenicity of Actinobacillus actinomycetemcomitans

serotype b-specific polysaccharide-protein conjugate.

AUTHOR: Takamatsu-Matsushita N; Yamaguchi N; Kawasaki M; Yamashita

Y; Takehara T; Koga T

CORPORATE SOURCE: Department of Preventive Dentistry, Kyushu Dental College,

Japan.

SOURCE: ORAL MICROBIOLOGY AND IMMUNOLOGY, (1996 Aug) 11 (4) 220-5.

Journal code: ORA; 8707451. ISSN: 0902-0055.

PUB. COUNTRY: Denmark

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Dental Journals

ENTRY MONTH: 199702

ENTRY DATE: Entered STN: 19970219

Last Updated on STN: 19970219 Entered Medline: 19970204

L11 ANSWER 9 OF 90 MEDLINE

ACCESSION NUMBER: 96110911 MEDLINE

DOCUMENT NUMBER: 96110911 PubMed ID: 8557352

TITLE: Immunologic characteristics of a Streptococcus mutans

glucosyltransferase B sucrose-binding site peptide

-cholera toxin B-subunit

chimeric protein.

AUTHOR: Laloi P; Munro C L; Jones K R; Macrina F L

CORPORATE SOURCE: Centre de Genetique Moleculaire et Cellulaire, UMR CNRS

106, Universite Claude Bernard, Villeurbanne, France.

CONTRACT NUMBER: DE04224 (NIDCR)

SOURCE: INFECTION AND IMMUNITY, (1996 Jan) 64 (1) 28-36.

Journal code: GO7; 0246127. ISSN: 0019-9567.

PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199602

ENTRY DATE: Entered STN: 19960312

Last Updated on STN: 20000303 Entered Medline: 19960226

L11 ANSWER 10 OF 90 MEDLINE

ACCESSION NUMBER: 94308600 MEDLINE

DOCUMENT NUMBER: 94308600 PubMed ID: 8035021

TITLE: Humoral, mucosal, and cellular immune response to topical

immunization with a subunit respiratory syncytial virus

vaccine.

AUTHOR: Walsh E E

CORPORATE SOURCE: Dept. of Medicine, Rochester General Hospital, NY 14621.

SOURCE: JOURNAL OF INFECTIOUS DISEASES, (1994 Aug) 170 (2) 345-50.

Journal code: IH3; 0413675. ISSN: 0022-1899.

PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 199408

ENTRY DATE: Entered STN: 19940825

Last Updated on STN: 19940825 Entered Medline: 19940818 => d 112 ibib 1-10

L12 ANSWER 1 OF 69 BIOSIS COPYRIGHT 2001 BIOSIS

ACCESSION NUMBER: 1998:438753 BIOSIS DOCUMENT NUMBER: PREV199800438753

TITLE: Display of an inhibin epitope in a surface-exposed loop of

the E. coli heat-labile enterotoxin B

subunit.

AUTHOR(S): Sewani, Constance Rufaro; Bagdasarian, Mira M.; Ireland,

James J.; Bagdasarian, Michael (1)

CORPORATE SOURCE: (1) Dep. Microbiol., Michigan State Univ., East Lansing, MI

48824-1312 USA

SOURCE: Vaccine, (Oct., 1998) Vol. 16, No. 17, pp. 1611-1619.

ISSN: 0264-410X.

DOCUMENT TYPE:

LANGUAGE:

Article English

L12 ANSWER 2 OF 69 CAPLUS COPYRIGHT 2001 ACS ACCESSION NUMBER: 2000:314844 CAPLUS

DOCUMENT NUMBER:

132:346614

TITLE:

'Rotavirus vaccine using fusion products

containing a rotavirus protein or its immunogenic

fragment

INVENTOR(S): Choi, Anthony; Ward, Richard L.

PATENT ASSIGNEE(S): Children's Hospital Medical Center, USA

SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE WO 2000026380 A1 20000511 WO 1999-US25799 19991101 W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG US 1998-106347 P 19981030 PRIORITY APPLN. INFO.:

REFERENCE COUNT:

REFERENCE(S):

(1) Abbott Lab; EP 0235754 A 1987 CAPLUS

(2) BaNos, D; JOURNAL OF VIROLOGY 1997, V71(1), P419 CAPLUS

(3) Choi, A; JOURNAL OF VIROLOGY 1999, V73(9), P7574 CAPLUS

(4) Kohli, E; VIROLOGY 1993, V194, P110 CAPLUS

(5) McNeal, M; VIROLOGY 1998, V243(1), P158 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 69 CAPLUS COPYRIGHT 2001 ACS ACCESSION NUMBER: 2000:175834 CAPLUS

DOCUMENT NUMBER: 132:217136

TITLE: Peptide fragments of cholera toxin

B or enterotoxin B as

immunomodulators and vaccine adjuvants and for the treatment of

toxin-induced diarrhea

INVENTOR(S): Williams, Neil Andrew; Hirst, Timothy Raymond

CODEN: PIXXD2

University of Bristol, UK

PCT Int. Appl., 62 pp.

DOCUMENT TYPE: LANGUAGE:

SOURCE:

Patent Enalish

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT ASSIGNEE(S):

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PATENT NO.
                   KIND DATE
                                       APPLICATION NO. DATE
                          _____
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     WO 2000014114
                    A1 20000316
                                       WO 1999-GB2970 19990907
        W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
            CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
            IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,
            MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
            SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
            ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
            CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
    AU 9957516
                     A1
                          20000327
                                        AU 1999-57516
                                                         19990907
    BR 9913501
                      A
                           20010605
                                        BR 1999-13501
                                                         19990907
    EP 1109828
                     Α1
                          20010627
                                       EP 1999-944696 19990907
           AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
    NO 2001001075
                          20010507
                                         NO 2001-1075
                    Α
                                                         20010302
PRIORITY APPLN. INFO.:
                                      GB 1998-19484
                                                      A 19980907
                                      WO 1999-GB2970
                                                      W 19990907
                        (1) Centre Nat Rech Scient Pasteur Institut Fr; EP
REFERENCE(S):
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REFERENCE COUNT:

- 0095426 A 1983 CAPLUS
- (2) Gx Biosystems As; WO 9520657 A 1995 CAPLUS
- (3) Scripps Clinic Res; WO 8502611 A 1985 CAPLUS
- (4) Univ Liege; WO 9003437 A 1990 CAPLUS (5) Univ Tulane; WO 9606627 A 1996 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 69 CAPLUS COPYRIGHT 2001 ACS 2000:15329 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 132:61291

TITLE: Methods of expanding and selecting disease associated

T-cells using antigen-presenting cells and disease

associated antigens

INVENTOR(S): Kaltoft, Keld; Agnholt, Jorgen

PATENT ASSIGNEE(S): Den.

PCT Int. Appl., 124 pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: Patent English LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA	PATENT NO.				ND	DATE			APPLICATION NO.						DATE			
	2000	2000000597			7 1		20000106		MO 1000 DK363						10000625			
WO									WO 1999-DK363 19990625 BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ									
	***															IN,		
																MG,		
																SL,		
		TM,	TR,	TT,	UA,	ŪG,	US,	UZ,	VN,	YU,	ZA,	ZW,	ΑM,	ΑZ,	BY,	KG,	ΚZ,	
			RU,															
	RW:	GH,	GM,	ΚE,	LS,	MW,	SD,	SL,	SZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,	DE,	DK,	
		ES,	FΙ,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	
		CI,	CM,	GΑ,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	ΤĠ						

20000117 AU 1999-46034 19990625 20010411 EP 1999-929110 19990625 A1 A1 AU 9946034 EP 1090104 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, PRIORITY APPLN. INFO.: DK 1998-848 A 19980626 DK 1998-895 A 19980701 US 1998-91684 P 19980702 WO 1999-DK363 W 19990625 REFERENCE COUNT: REFERENCE(S): (1) Cell Therapy Inc; WO 9705239 A 1997 CAPLUS (2) Effros, R; Immunology Today 1997, V18(9), P450 CAPLUS (3) Kaltoft, K; Archives of Dermatological Research 1994, V287(1), P42 MEDLINE (5) Kaltoft, K; Experimental and Clinical Immunogenetics 1998, V15(2), P84 CAPLUS (7) The Children's Hospital Inc; WO 8807077 A 1988 CAPLUS ALL CITATIONS AVAILABLE IN THE RE FORMAT L12 ANSWER 5 OF 69 CAPLUS COPYRIGHT 2001 ACS ACCESSION NUMBER: 1998:563400 CAPLUS DOCUMENT NUMBER: 129:310999 TITLE: Display of an inhibin epitope in a surface-exposed loop of the E. coli heat-labile enterotoxin B subunit AUTHOR(S): Sewani, Constance Rufaro; Bagdasarian, Mira M.; Ireland, James J.; Bagdasarian, Michael CORPORATE SOURCE: Department of Physiology, Michigan State University, East Lansing, MI, 48824-1312, USA SOURCE: Vaccine (1998), 16(17), 1611-1619 CODEN: VACCDE; ISSN: 0264-410X PUBLISHER: Elsevier Science Ltd. DOCUMENT TYPE: Journal LANGUAGE: English L12 ANSWER 6 OF 69 CAPLUS COPYRIGHT 2001 ACS ACCESSION NUMBER: 1998:485085 CAPLUS DOCUMENT NUMBER: 129:121643 TITLE: Broad spectrum pyrogenic exotoxins antagonists and vaccines INVENTOR(S): Kaempfer, Raymond; Arad, Gila PATENT ASSIGNEE(S): Yissum Research Development Company of the Hebrew University of Jerusalem, Israel SOURCE: PCT Int. Appl., 73 pp. CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION: APPLICATION NO. DATE PATENT NO. KIND DATE ------------------------WO 9829444 A1 19980709 WO 1997-IL438 19971230
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 1998-78909 EP 1997-949087

19971230

19971230

A1 19980731

A1 19991103

AU 9878909

EP 952985

AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

JP 2001509014 T2 20010710 JP 1998-529795 19971230

IL 1996-119938 A 19961230 PRIORITY APPLN. INFO.: WO 1997-IL438 W 19971230

L12 ANSWER 7 OF 69 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:543762 CAPLUS

DOCUMENT NUMBER: 122:312508

TITLE: Intranasal immunization with recombinant group A

streptococcal M protein fragment

fused to the B subunit of Escherichia coli labile toxin protects mice against systemic challenge

infections

AUTHOR(S): Dale, James B.; Chiang, Elbert C.

CORPORATE SOURCE: Department of Veterans Affairs Medical Center,

Memphis, TN, 38104, USA

SOURCE: J. Infect. Dis. (1995), 171(4), 1038-41

CODEN: JIDIAQ; ISSN: 0022-1899

DOCUMENT TYPE:

Journal LANGUAGE: English

L12 ANSWER 8 OF 69 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 1998266364 EMBASE

TITLE: Display of an inhibin epitope in a surface-exposed loop of

the E. coli heat-labile enterotoxin B

subunit.

AUTHOR: Sewani C.R.; Bagdasarian M.M.; Ireland J.J.; Bagdasarian M.

M. Bagdasarian, Department of Physiology, Michigan State CORPORATE SOURCE:

University, East Lansing, MI 48824-1312, United States

SOURCE: Vaccine, (1998) 16/17 (1611-1619).

Refs: 62

ISSN: 0264-410X CODEN: VACCDE

PUBLISHER IDENT.: S 0264-410X(98)00056-5

COUNTRY:

United Kingdom DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 026 Immunology, Serology and Transplantation

037 Drug Literature Index

LANGUAGE: English SUMMARY LANGUAGE: English

L12 ANSWER 9 OF 69 LIFESCI COPYRIGHT 2001 CSA

ACCESSION NUMBER: 1998:113311 LIFESCI

TITLE: Display of an inhibin epitope in a surface-exposed loop of

the E. coli heat-labile enterotoxin B

subunit

AUTHOR: Sewani, C.R.; Bagdasarian, M.M.; Ireland, J.J.;

Bagdasarian, M.*

CORPORATE SOURCE: Department of Microbiology, Michigan State University, East

Lansing, MI 48824-1312, USA

SOURCE: Vaccine, (19981000) vol. 16, no. 17, pp. 1611-1619.

ISSN: 0264-410X.

DOCUMENT TYPE: Journal FILE SEGMENT: F; A; J LANGUAGE: English SUMMARY LANGUAGE: English

L12 ANSWER 10 OF 69 MEDLINE

1999210155 ACCESSION NUMBER: MEDLINE

DOCUMENT NUMBER: 99210155 PubMed ID: 10195780

TITLE: Novel modifications to the C-terminus of LTB that

facilitate site-directed chemical coupling of antigens and

the development of LTB as a carrier for mucosal

vaccines.

AUTHOR: O'Dowd A M; Botting C H; Precious B; Shawcross R; Randall R

Ε

CORPORATE SOURCE: School of Biomedical Sciences, University of St. Andrews,

Fife, UK.

SOURCE: VACCINE, (1999 Mar 17) 17 (11-12) 1442-53.

Journal code: X60; 8406899. ISSN: 0264-410X.

PUB. COUNTRY: ENGLAND: United Kingdom

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199906

ENTRY DATE: Entered STN: 19990618

Last Updated on STN: 20000303 Entered Medline: 19990608

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